



CONSTRUCTION EQUIPMENT

W02007468 VOLVO A45G 352364 - BRAKE



Sample No: VCP418753
Oil Type: MOBIL WB 102
Job No: W02007468



SAMPLE INFORMATION

Sample Number	VCP418753	---	---	---
Sample Date	28 Aug 2023	---	---	---
Machine Hours	4016	---	---	---
Oil Hours	4000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 MANASSAS, VA
 US 20110
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 MMAYHUGH@MCCLUNG-LOGAN.COM
 T: (703)393-7344
 F: (703)393-7844



OIL CONDITION

Visc @ 40°C	cSt	■ 44.0	---	---	---
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CONTAMINATION

Silicon	ppm	■ 17	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	▲ 143	---	---	---
Copper	ppm	■ 148	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ 6	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	3083	---	---	---
Magnesium	ppm	16	---	---	---
Zinc	ppm	1413	---	---	---
Phosphorus	ppm	1173	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	117	---	---	---

Diagnosis

The fluid change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO0002
Unique No: 10631612
Signed: Don Baldrige
Report Date: 06 Sep 2023

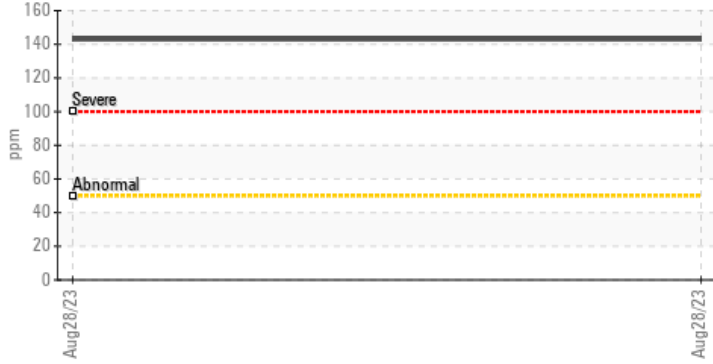


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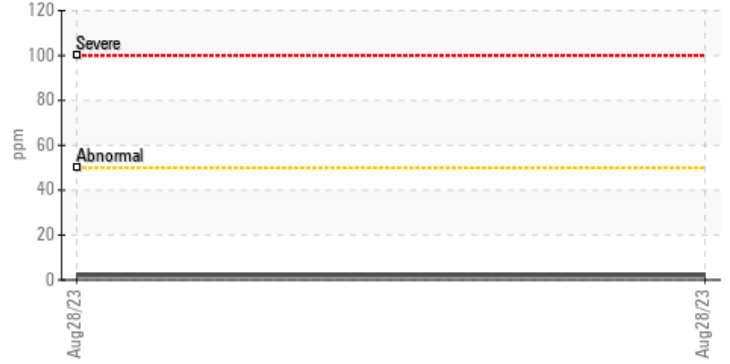


GRAPHS

▲ Iron (ppm)



Lead (ppm)



Aluminum (ppm)



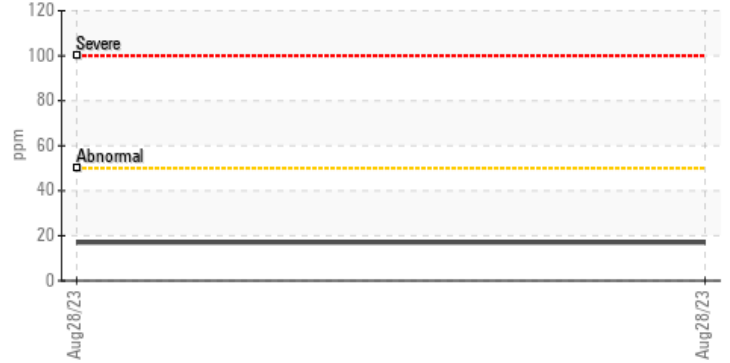
Chromium (ppm)



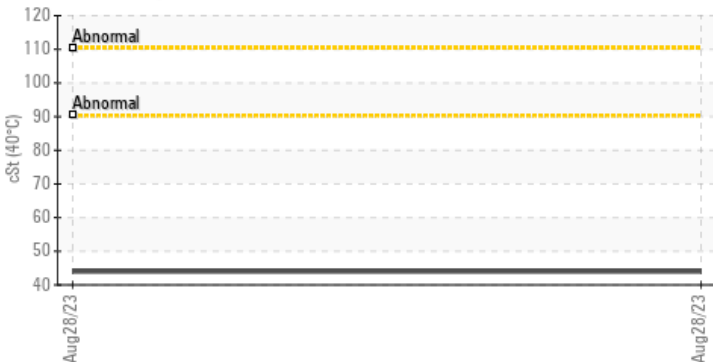
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

